

**Claims:**

1. An intraoral imaging camera system comprising:

a camera body which comprises a lens-barrel having an optical system including an objective, a finder, a monitoring liquid crystal display, a release button and a controller having a power supply;

a ring flash provided on the lens-barrel so as to surround the objective;

a metering sensor provided on the lens-barrel; and

a light receiving surface provided on the metering sensor so as to be inclined at a predetermined angle with respect to a surface which is perpendicular to an optical axis of the optical system, for the receiving reflected light of flash light emitted by the ring flash that has been reflected by the subject and returns to the camera body side.

2. The intraoral imaging camera system according to claim 1, wherein the camera is a digital camera.

3. The intraoral imaging camera system according to claim 1, wherein the lens-barrel is provided with a close-up lens having an objective.

4. The intraoral imaging camera system according to claim 1, wherein the metering sensor is provided below the front end portion of the lens-barrel.

5. The intraoral imaging camera system according to claim 1, wherein the controller having the power supply is provided on the camera body via a frame.

6. The intraoral imaging camera system according to claim

1, wherein the light receiving surface provided on the metering sensor is attached so as to be inclined at an inclination angle of 20 to 85 degrees with respect to the surface which is perpendicular to the optical axis of the optical system.

7. The intraoral imaging camera system according to claim 1, wherein the metering sensor is rotatably attached in the circumferential direction of the ring flash.

8. The intraoral imaging camera system according to claim 1, wherein the ring flash is provided with a rotating ring which is capable of rotating about the optical axis of the objective, a sensor adapter is fixed to the rotating ring, and the metering sensor is provided on the sensor adapter.

9. The intraoral imaging camera system according to claim 1, wherein the ring flash is provided with a rotating ring which is capable of rotating about the optical axis of the objective, a sensor adapter is fixed to the rotating ring, and the metering sensor is provided on the sensor adapter via an attachment piece having a fold portion.

10. The intraoral imaging camera system according to claim 1, wherein the metering sensor rotatably provided on the ring flash and the controller are connected by a signal cable.

11. The intraoral imaging camera system according to claim 1, wherein the metering sensor is positioned below the ring flash during imaging.